

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Funatsu et al.

Serial No.: Not yet assigned

Filed: herewith

For: A SPEECH QUALITY EVALUATION AND AN APPARATUS  
USED FOR THE SPEECH QUALITY EVALUATION

Art Unit: Not yet assigned

Examiner: Not yet assigned

Confirmation No.: Not yet assigned

Customer No.: 27.623

Attorney Docket No.: 40030232-02

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with applicants' duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed concurrently herewith. This Information Disclosure Statement is being filed:

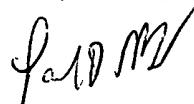
- XXX Within three (3) months of the filing date of the national application;
- Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- Before the mailing date of a first Office Action on the merits;
- After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);

- After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
  - After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p); and
  - After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to or subsequent to the payment of the Issue Fee and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p).
- Filing with RCE Under 37 CFR 1.114.

Cited in the attached PTO-1449 are Japanese articles entitled, "Evaluation of Sound Quality for IP Telephone," "The Significance of Introducing the Prefix Number '050' for Internet Phone Services," " Agilent Voice Quality Tester" and "XPI Solutions for Multi-Service/Access."

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,



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March 24, 2004

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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br><br>(Use several sheets if necessary) |  | Docket Number (Optional)<br>40030O232-02 | Application Number<br>Not yet assigned |
|  |  | Applicant<br>Funatsu et al.              |  |
|  |  | Filing Date<br>herewith                  | Group Art Unit<br>Not yet assigned     |

**U. S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|------|------|-------|----------|----------------------------|
|                  |                 |      |      |       |          |                            |
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**FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
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|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

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|--|--|
|  | Kanzai, T. "Evaluation of Sound Quality for IP Telephone," Nikkei Communication, Nikkei Business Publications Inc., pp. 96-102, Fig. 2, May 20, 2000.  |
|  | Ichijima, Y. "The Significance of Introducing the Prefix Number '050' for Internet Phone Services," Nikkei Communication, Nikkei Business Publications Inc., pp122, Fig. 4, November 22, 2002. |
|  | "Agilent Voice Quality Tester (VQT)" Technical Overview, Agilent Technologies, Inc., January 13, 2003.   |
|  | "XPI Solutions for Multi-Service/Access Network Analyzer Family" Technical Overview, Agilent Technologies, Inc., May 27, 2003.   |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
|          |                 |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.